



CITY OF HAYWARD

AGENDA REPORT

AGENDA DATE 09/05/00

AGENDA ITEM _____

WORK SESSION ITEM _____

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Water Pollution Control Facility Master Plan: Appropriation of Funds, and Authorization for Execution of a Professional Design Services Agreement

RECOMMENDATION:

It is recommended that the City Council approve the attached resolutions that:

1. Appropriate \$25,000 from the Wastewater Operations Fund's working capital balance; and
2. Authorize the City Manager to execute a professional design services agreement with Brown and Caldwell to prepare a Master Plan for the City's Water Pollution Control Facility (wastewater treatment plant), in an amount not to exceed \$100,000, including additional services.

BACKGROUND:

An abbreviated Master Plan for the Water Pollution Control Facility (WPCF) was originally prepared in 1993 and revised in 1995. This "Master Plan" was mainly an evaluation of the anticipated impact of a large business (Pepsi) that was planning to come to the City, and not a master plan as this term is commonly defined. Since 1995, the WPGF has experienced a dramatic increase in biological loading, particularly from Berkeley Farms, which started its operation in 1998 and is currently planning for an expansion. There is a critical need to review the plant facilities to assess its efficiency, reliability and redundancy, as well as current and future needs, because of these increased loadings. In addition, critical areas, such as filtration and final clarification, must be improved in order to enable the WPCF to meet all of the existing and future discharge requirements. Solids handling, drying of bio-solids and their eventual disposal is also an issue that must be addressed in the near future and should be reviewed in the study.

Many significant improvements, most of which were identified in the existing Master Plan, have been implemented in the past five years, including the new headworks pumping and screening system, fluidized bed reactor, hypochlorite disinfection station, and sludge drying

beds. The current secondary treatment process, which consists of the fixed film reactor followed by the fluidized bed reactor, has been severely impacted by the added wastewater loadings from Berkeley Farms. This complex biological process requires an in-depth evaluation. Additionally, the overall needs of the plant must now be reassessed to confirm the appropriateness of the remaining recommended improvements in view of the projects that have been constructed.

Environmental Review:

The preparation of the Master Plan project is categorically exempt from environmental review under the California Environmental Quality Act (CEQA). The Public Resources Code states that CEQA does not apply to any project consisting of the operation, repair, maintenance, or minor alteration of existing public structures, facilities, mechanical equipment, or topographical features involving negligible or no expansion of the use beyond that existing at the time of the lead agency's determination. This Master Plan will review efficiency, capability, reliability and redundancy of the WPCF, and is not intended to increase the plant's rated capacity beyond that which exists today.

Consultant Selection:

Staff requested four firms to submit proposals for the project. One firm declined to submit a proposal due to a possible conflict of interest. All four are nationally known in the water and wastewater field. Out of the three firms that submitted proposals and were interviewed, Brown and Caldwell was selected as the most qualified firm. The selection was based on: 1) relevant experience of each firm, the qualifications of the project manager and team members assigned to the project, 2) understanding of the specific issues of concern, and 3) ability to meet City needs, within the City-defined budget and timeline. The team proposed by Brown and Caldwell consists of experts familiar with the City's complex treatment processes and is superior to the teams proposed by the other consultants for this project.

Brown and Caldwell's proposal, as well as those from the other two firms, were very close in terms of labor hours and fees. Similar to the other two, the Brown and Caldwell proposal is for an amount equal to the City's budget for this project.

The base contract for the proposed work hours amounts to \$75,000. As this is a master planning effort for a sophisticated facility, with biological aspects in addition to electrical/mechanical facilities and instrumentation, there is the likelihood that additional studies or testing may be necessary. Because of this, staff is recommending that an additional \$25,000 be included in the contract to cover the cost of any additional services that may be required and subsequently authorized. The total not-to-exceed cost of the contract, therefore, will be \$100,000.

Project Cost:

The consultant contract amount of \$100,000 will be the total cost necessary for the project.

Funding:

The approved FY2000/01 Wastewater Operating Fund budget includes \$75,000 for the WPCF Master Plan. Staff is requesting that the Council appropriate \$25,000 from the Wastewater Working Capital Fund balance to cover the aforementioned additional services. Sufficient funds are available to cover this appropriation.

Schedule:

The following fast track schedule has been established for this project:

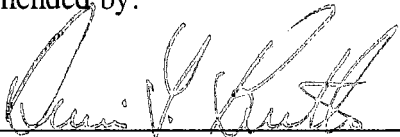
Notice to Proceed	September 6, 2000
Completion	December 22, 2000

Prepared by:



Alex Ameri, Deputy Director of Public Works/Utilities

Recommended by:



Dennis L. Butler, Director of Public Works

Approved by:



Jesus Armas, City Manager

DRAFT

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION AMENDING RESOLUTION 00-089, AS
AMENDED, THE BUDGET RESOLUTION FOR
CAPITAL PROJECTS FOR FISCAL YEAR 2000-2001,
RELATING TO AN APPROPRIATION OF FUNDS FOR
THE WATER POLLUTION CONTROL FACILITY
CONTROL MASTER PLAN

BE IT RESOLVED by the City Council of the City of Hayward that
Resolution No. 00-089, as amended, the Budget Resolution for Capital Projects for fiscal
year 2000-2001, is hereby further amended by appropriating an additional \$25,000 from
Sewer Operations, Fund 611, to Special Services, Object Ns. 7210, for additional services
relating to design services by Brown and Caldwell for the preparation of the Master Plan
for the City's Water Pollution Control Facility (wastewater treatment plant).

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2000

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward

DRAFT

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION AUTHORIZING THE CITY MANAGER
TO EXECUTE AN AGREEMENT BETWEEN THE CITY
OF HAYWARD AND BROWN AND CALDWELL FOR
PROFESSIONAL DESIGN SERVICES FOR THE CITY OF
HAYWARD'S WATER POLLUTION CONTROL
FACILITY

BE IT RESOLVED by the City Council of the City of Hayward that the City Manager is hereby authorized and directed to execute, on behalf of the City of Hayward, an agreement with Brown and Caldwell for professional design services to prepare a Master Plan for the City's Water Pollution Control Facility (wastewater treatment plant) in an amount not to exceed \$100,000, including additional services, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2000

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES.

ABSTAIN:

ABSENT:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward